



**Bridge Inventory & Structural Recommendation Report  
For  
New Structure  
US-6; MP 218.7 to Emma Park**



<b>Region:</b> 4 Price District	<b>Project Manager:</b> Daryl Friant
<b>Pin:</b> 6475	<b>Project Number:</b> S-0006(105)219
<b>FiNet Number:</b> 7083901D	<b>Fiscal Year:</b> 2009

<b>Prepared by/Date:</b> Tyson Schultz /Raymond Earl /April 7, 2008
<b>Signature, Director of Bridge Operations:</b> Ruhksana Lindsey
<b>Signature, Director of Bridge Design:</b> Stan Burns

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# REPORT SUMMARY

## Scope of Project:

### 1. Purpose of Report

This report presents a conceptual overview of a project to construct a new wild life crossing on US-6 over Beaver Creek. It is intended to convey the need, scope, schedule, budget, and quality control process for the project.

### 2. Project Information

**Region:** 4 Price District **Route No.:** US-6 **Date:** April 2008

**Project Name:** US-6, MP 218.7 to Emma Park

**R.P.:** 218.7

**Project Number:** S-0006(105)219 **PIN:** 6475 **FiNet:** 7083901D

**Project Design:** Bridge: UDOT Structures Division;  
Roadway: Region 4 Pre-Construction

**Project Mgr:** Daryl Friant

### 4. Plan:

The purpose of this project is to provide a new wildlife crossing bridge on US-6 over Beaver Creek. This addition is needed because of the widening of US-6 to five lanes. The wildlife crossing will be beneath the widened roadway.

### 5. Work items to be completed:

The scope of this project is to build a new bridge (Wildlife Structure) for the road-widening project.

### 6. Work items to be deferred:

Roadway and safety items beyond what is related to the bridge replacement will not be included.

### 7. Design Exceptions:

No Design Exceptions are expected for Design work.

### 8. Maintenance Considerations:

Include Region 4 Maintenance Station 4435 in the concept development.

### 9. Construction Considerations:

No traffic control is expected. Construction is taking place in a non-traffic zone.

### 10. Risk Analysis: (None anticipated at this time)

### 11. Development Process:

New or Major Reconstruction     x

Rehabilitation  
Preservation

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### **Schedule of Project:**

Refer to the overall roadway construction schedule.

### **Budget of Project:**

1.	<b>Funding Source:</b>	<b>State Fund</b>
2.	<b>Amount Programmed:</b>	<b>\$15,010,000.00</b>
3.	<b>Structures Cost Estimate:</b>	<b>\$ 4,000,000.00</b>

<b>New Wildlife Crossing Structure on SR-6 at MP 218.7</b>				
<b>ITEM</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL COST</b>
<b>Structure Items</b>				
New Pre-stressed Concrete Bridge	8099	SF	\$ 300.00	\$ 2,429,591.43
Polymer Overlay	12046	SF	\$ 8.00	\$ 96,369.63
Seal Parapets	282	LF	\$ 5.00	\$ 1,411.67
<b>Structures Subtotal</b>				<b>\$ 2,527,372.73</b>
<b>Roadway Items</b>				
Mobilization	1	LUMP	Included in Roadway Costs	
MOT	1	LUMP	Included in Roadway Costs	
Traffic Control	1	LUMP	Included in Roadway Costs	
Utilities and Drainage	1	LUMP	Included in Roadway Costs	
Pavement marking paint	1	LUMP	Included in Roadway Costs	
Roadway Tie-in	1	LUMP	Included in Roadway Costs	
Public Information Services	1	LUMP	Included in Roadway Costs	
<b>Project Subtotal</b>				<b>\$ 2,527,372.73</b>
PE/CE 18%				\$ 454,927.09
20% Contingency				\$ 505,474.55
Project Total before Inflation Rate				\$ 3,487,774.36
Inflation Rate 10% over 1 year				\$ 348,777.44
<b>Total Cost</b>				<b>\$ 3,836,551.80</b>

## LOCATION MAP

